

Subiectul B. ELEMENTE DE TERMODINAMICĂ

ii. a.	$m_0 = \mu / N_A$ $m_{O_1} / m_{O_2} = \mu_{H_2} / \mu_{O_2}$ Rezultat final: $m_{O_1} / m_{O_2} = 1/16$
b.	$v = m / \mu$ $\frac{v_1}{v_2} = \frac{m_1 \mu_{O_2}}{m_2 \mu_{H_2}}$ Rezultat final: $v_1 / v_2 = 4$
c.	$pV = v_{tot} RT$ $v_{tot} = \frac{m_1}{\mu_{H_2}} + \frac{m_2}{\mu_{O_2}}$ Rezultat final: $p = 225 \text{ kPa}$
d.	$\frac{m_1}{\mu_{H_2}} + \frac{m_2}{\mu_{O_2}} = \frac{m_1 + m_2}{\bar{\mu}}$ Rezultat final: $\bar{\mu} = 8 \text{ kg/kmol}$